

# Order of Operations with Decimals (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$0,8 \div ((-8,3) + 9,1)^2$$

$$6,4 \times 0,5 + (3,3)^2$$

$$(2,6 + 3,9)^2 \times 0,8$$

$$((-1,5) + 8,7) \div (-0,3)^2$$

$$(2,2)^2 \times (-7,5) + 5,2$$

$$(7,5)^2 + 1,5 \times 6,4$$

$$(-2,8)^2 - 9,7 \times (-1,7)$$

$$(-1,6)^2 + 9,5 \times (-0,2)$$

$$0,8 \times (-0,5) - (-4,6)^2$$

$$(-5,6) \times (-7,9) - (9,9)^2$$

# Order of Operations with Decimals (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} &0,8 \div \left( \underline{(-8,3) + 9,1} \right)^2 \\ &= 0,8 \div \underline{(0,8)^2} \\ &= \underline{0,8 \div 0,64} \\ &= 1,25 \end{aligned}$$

$$\begin{aligned} &6,4 \times 0,5 + \underline{(3,3)^2} \\ &= \underline{6,4 \times 0,5} + 10,89 \\ &= \underline{3,2 + 10,89} \\ &= 14,09 \end{aligned}$$

$$\begin{aligned} &\left( \underline{2,6 + 3,9} \right)^2 \times 0,8 \\ &= \underline{(6,5)^2} \times 0,8 \\ &= \underline{42,25 \times 0,8} \\ &= 33,8 \end{aligned}$$

$$\begin{aligned} &\left( \underline{(-1,5) + 8,7} \right) \div (-0,3)^2 \\ &= 7,2 \div \underline{(-0,3)^2} \\ &= \underline{7,2 \div 0,09} \\ &= 80 \end{aligned}$$

$$\begin{aligned} &\underline{(2,2)^2} \times (-7,5) + 5,2 \\ &= \underline{4,84 \times (-7,5)} + 5,2 \\ &= \underline{(-36,3) + 5,2} \\ &= -31,1 \end{aligned}$$

$$\begin{aligned} &\underline{(7,5)^2} + 1,5 \times 6,4 \\ &= 56,25 + \underline{1,5 \times 6,4} \\ &= \underline{56,25 + 9,6} \\ &= 65,85 \end{aligned}$$

$$\begin{aligned} &\underline{(-2,8)^2} - 9,7 \times (-1,7) \\ &= 7,84 - \underline{9,7 \times (-1,7)} \\ &= \underline{7,84 - (-16,49)} \\ &= 24,33 \end{aligned}$$

$$\begin{aligned} &\underline{(-1,6)^2} + 9,5 \times (-0,2) \\ &= 2,56 + \underline{9,5 \times (-0,2)} \\ &= \underline{2,56 + (-1,9)} \\ &= 0,66 \end{aligned}$$

$$\begin{aligned} &0,8 \times (-0,5) - \underline{(-4,6)^2} \\ &= \underline{0,8 \times (-0,5)} - 21,16 \\ &= \underline{(-0,4) - 21,16} \\ &= -21,56 \end{aligned}$$

$$\begin{aligned} &(-5,6) \times (-7,9) - \underline{(9,9)^2} \\ &= \underline{(-5,6) \times (-7,9)} - 98,01 \\ &= \underline{44,24 - 98,01} \\ &= -53,77 \end{aligned}$$